M 8

```
EEEEEEEEEEEEEEE  VVV          VVV  LLL
EEEEEEEEEEEEEEE  VVV          VVV  LLL
EEEEEEEEEEEEEEE  VVV          VVV  LLL
EEE              VVV          VVV  LLL
EEE              VVV          VVV  LLL
EEE              VVV          VVV  LLL
EEE              VVV          VVV  LLL
EEE              VVV          VVV  LLL
EEE              VVV          VVV  LLL
EEEEEEEEEEEE     VVV          VVV  LLL
EEEEEEEEEEEE     VVV          VVV  LLL
EEEEEEEEEEEE     VVV          VVV  LLL
EEE              VVV          VVV  LLL
EEE              VVV          VVV  LLL
EEE              VVV          VVV  LLL
EEE                 VVV    VVV     LLL
EEE                 VVV    VVV     LLL
EEE                 VVV    VVV     LLL
EEEEEEEEEEEEEEE        VVV         LLLLLLLLLLLLLLL
EEEEEEEEEEEEEEE        VVV         LLLLLLLLLLLLLLL
EEEEEEEEEEEEEEE        VVV         LLLLLLLLLLLLLLL
```

```
_$25

Valu
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FILEID**EVLIBRARY

```
EEEEEEEEEE  VV      VV  LL          IIIIII   BBBBBBBB   RRRRRRRR     AAAAAA    RRRRRRRR   YY      YY
EEEEEEEEEE  VV      VV  LL          IIIIII   BBBBBBBB   RRRRRRRR     AAAAAA    RRRRRRRR   YY      YY
EE          VV      VV  LL            II     BB     BB  RR     RR   AA    AA  RR     RR  YY      YY
EE          VV      VV  LL            II     BB     BB  RR     RR   AA    AA  RR     RR  YY      YY
EE          VV      VV  LL            II     BB     BB  RR     RR   AA    AA  RR     RR    YY  YY
EE          VV      VV  LL            II     BB     BB  RR     RR   AA    AA  RR     RR    YY  YY
EEEEEEEE    VV      VV  LL            II     BBBBBBBB   RRRRRRRR   AA    AA  RRRRRRRR      YY
EEEEEEEE    VV      VV  LL            II     BBBBBBBB   RRRRRRRR   AA    AA  RRRRRRRR      YY
EE          VV      VV  LL            II     BB     BB  RR   RR    AAAAAAAAAA  RR   RR     YY
EE          VV      VV  LL            II     BB     BB  RR   RR    AAAAAAAAAA  RR   RR     YY
EE            VV  VV    LL            II     BB     BB  RR    RR   AA    AA  RR    RR     YY          ....
EE            VV  VV    LL            II     BB     BB  RR    RR   AA    AA  RR    RR     YY          ....
EEEEEEEEEE      VV      LLLLLLLLLL  IIIIII   BBBBBBBB   RR     RR  AA    AA  RR     RR    YY          ....
EEEEEEEEEE      VV      LLLLLLLLLL  IIIIII   BBBBBBBB   RR     RR  AA    AA  RR     RR    YY          ....

LL            IIIIII      SSSSSSSS
LL            IIIIII      SSSSSSSS
LL              II      SS
LL              II      SS
LL              II      SS
LL              II      SS
LL              II        SSSSSS
LL              II        SSSSSS
LL              II              SS
LL              II              SS
LL              II              SS
LL              II              SS
LLLLLLLLLL    IIIIII    SSSSSSSS
LLLLLLLLLL    IIIIII    SSSSSSSS
```

```
;  0001  0     %TITLE  'EVLIBRARY  Symbol Definition Library'
;  0002  0     !MODULE EVLIBRARY (
;  0003  0     !                 LANGUAGE (BLISS32),
;  0004  0     !                 IDENT = 'V04-000'
;  0005  0     !                 ) =
;  0006  0     !BEGIN
;  0007  0     !
;  0008  0     !*****************************************************************************
;  0009  0     !*                                                                           *
;  0010  0     !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                  *
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;  0027  0     !*                                                                           *
;  0028  0     !*                                                                           *
;  0029  0     !*****************************************************************************
;  0030  0     !
;  0031  0     !
;  0032  0     !++
;  0033  0     ! FACILITY:     DECnet Event Logging (EVL)
;  0034  0     !
;  0035  0     ! ABSTRACT:
;  0036  0     !
;  0037  0     !       Event Logging Library of Common Definitions
;  0038  0     !
;  0039  0     ! ENVIRONMENT:  VAX/VMS Operating System
;  0040  0     !
;  0041  0     ! AUTHOR:       Darrell Duffy   , CREATION DATE: 15-June-1980
;  0042  0     !
;  0043  0     ! MODIFIED BY:
;  0044  0     !
;  0045  0     !       V001    TMH0001         Tim Halvorsen   25-Jun-1981
;  0046  0     !               Remove some obsolete definitions
;  0047  0     !--
;  0048  0     !
```

```
;    0049  0      %SBTTL  'Definitions'
;    0050  0
;    0051  0      !
;    0052  0      ! Structure declarations used for system defined structures to
;    0053  0      ! save typing.  These structures are byte sized.
;    0054  0      !       (Thanks to A. Goldstein)
;    0055  0      !
;    0056  0
;    0057  0      STRUCTURE
;    0058  0              BBLOCK [O, P, S, E; N] =
;    0059  0                  [N]
;    0060  0                  (BBLOCK+O)<P,S,E>,
;    0061  0
;    0062  0              BBLOCKVECTOR [I, O, P, S, E; N, BS] =
;    0063  0                  [N*BS]
;    0064  0                  ((BBLOCKVECTOR+I*BS)+O)<P,S,E>
;    0065  0              ;
;    0066  0
;    0067  0
;    0068  0      !
;    0069  0      !       Macro to create a bit id value for net control qio macros
;    0070  0      !
;    0071  0      !       $BITID
;    0072  0      !       (
;    0073  0      !       Component prefix LNI, NDI, OBI, DLI, ...
;    0074  0      !       Type of parameter V, L, S
;    0075  0      !       identifier for bit
;    0076  0      !       )
;    0077  0      !
;    0078  0
;    0079  0      MACRO
;M   0080  0              $BITID (COMP, TYP, ID) =
;M   0081  0              (
;M   0082  0              ( %NAME (COMP, '$C_', TYP, '_MASK') ) ^16 +
;M   0083  0              ( $BITPOSITION (%NAME (COMP, '$V_', TYP, '_', ID) ) )
;M   0084  0              )
;    0085  0              %;
```

```
;  0086  0     %SBTTL  'Equated Symbols'
;  0087  0
;  0088  0     !
;  0089  0     ! EQUATED SYMBOLS:
;  0090  0     !
;  0091  0
;  0092  0     LITERAL
;  0093  0             TRUE            = 1,
;  0094  0             FALSE           = 0,
;  0095  0             SUCCESS         = 1,
;  0096  0             FAILURE         = 0;
;  0097  0
;  0098  0     !END
;  0099  0     !ELUDOM
```

```
;  0100  0     !
;  0101  0     ! Version:      'V04-000'
;  0102  0     !
;  0103  0     !****************************************************************************
;  0104  0     !*                                                                          *
;  0105  0     !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                 *
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;  0122  0     !*                                                                          *
;  0123  0     !*                                                                          *
;  0124  0     !****************************************************************************
;  0125  0     !
;  0126  0     !++
;  0127  0     !
;  0128  0     ! NMAHEAD.B32
;  0129  0     !
;  0130  0     !       Define $EQULST macro to make library from the NMALIBRY.B32 file
;  0131  0     !
;  0132  0     !       This source is taken from the following source:
;  0133  0     !--
;  0134  0     !++
;  0135  0     !
;  0136  0     ! UTLDEF.B32 - UTILITY DEFINITION MACROS FOR BLISS PROCESSING
;  0137  0     ! OF STARLET DEFINITION MACROS.
;  0138  0     !
;  0139  0     !--
;  0140  0
;  0141  0
;  0142  0     !
;  0143  0     ! MACRO TO GENERATE EQULST CONSTRUCTS.
;  0144  0     !
;  0145  0     MACRO
;M 0146  0             $EQULST(P,G,I,S)[A]=
;M 0147  0                 %NAME(P,GET1ST_ A) =
;M 0148  0                     %IF NUL2ND_ A
;M 0149  0                     %THEN (I) : %COUNT*(S)  ! ASSUMES I, S ALWAYS GENERATED BY CONVERSION PROGRAM
;M 0150  0                     %ELSE GET2ND_ A
;  0151  0                     %FI %,
;  0152  0
;M 0153  0             GET1ST_(A,B)=
;  0154  0                 A %,
;M 0155  0             GET2ND_(A,B)=
;  0156  0                 B %,        ! KNOWN NON-NULL
```

```
;  M 0157  0               NUL2ND (A,B)=
;    0158  0                   %NULL(B) %;
;    0159  0
;    0160  0       !
;    0161  0       !       End of NMAHEAD
;    0162  0       !
```

```
;  0163  0       !       .TITLE  EVLDEF          Network Event Logger Definitions
;  0164  0       !       .IDENT  'V04-000'
;  0165  0
;  0166  0
;  0167  0       !
;  0168  0       !****************************************************************************
;  0169  0       !*                                                                          *
;  0170  0       !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                 *
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;  0180  0       !*                                                                          *
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;  0187  0       !*                                                                          *
;  0188  0       !*                                                                          *
;  0189  0       !****************************************************************************
;  0190  0       !
;  0191  0
;  0192  0       !++
;  0193  0       ! FACILITY:    DECnet-VAX Network Management Components
;  0194  0       !              for Event Logging
;  0195  0       !
;  0196  0       ! ABSTRACT:
;  0197  0       !
;  0198  0       !      Common Definitions for Network Management Event Logging
;  0199  0       !      These definitions are private to the EVL component.
;  0200  0       !
;  0201  0       ! ENVIRONMENT: VAX/VMS Operating System
;  0202  0       !
;  0203  0       ! AUTHOR:      Darrell Duffy, Tim Halvorsen, 13-June-1980
;  0204  0       !
;  0205  0       ! MODIFIED BY:
;  0206  0       !
;  0207  0       !      V005    MKP0001         Kathy Perko     27-June-1984
;  0208  0       !              Now that OPCOM can handle more than 256 bytes, increase
;  0209  0       !              the length fields for opcom message from a byte to a word.
;  0210  0       !
;  0211  0       !      V004    TMH0004         Tim Halvorsen   20-Jul-1983
;  0212  0       !              Increase amount of storage allocated for event
;  0213  0       !              transmitter NCB.
;  0214  0       !
;  0215  0       !      V003    TMH0003         Tim Halvorsen   25-Jun-1981
;  0216  0       !              Add two event flag symbols.
;  0217  0       !
;  0218  0       !      V002    TMH0002         Tim Halvorsen   20-Nov-1980
;  0219  0       !              Change definition of second byte of source data
```

```
;  0220  0      !                structure in the filter database from a sink mask
;  0221  0      !                to a sink number (which is what NML is using).
;  0222  0      !
;  0223  0      !        V001    TMH0001          Tim Halvorsen   17-Nov-1980
;  0224  0      !                Add descriptor of previous line output for
;  0225  0      !                console formatting routines.
;  0226  0      !--
```

```
;    0227  0
;    0228  0
;    0229  0     !
;    0230  0     !       General definitions
;    0231  0     !
;    0232  0
;    0233  0     !...$EVLDEF
;    0234  0
;    0235  0     LITERAL
;P   0236  0     $EQULST (EVL$C_,GBL,0,1
;PP  0237  0             ,(SYNCH_EFN,1)                  ! Event flag used for synchronous I/O
;PP  0238  0             ,(ASYNCH_EFN,2)                         ! Event flag used for asynchronous I/O
;PP  0239  0
;PP  0240  0             ,(MAXEVTCNT,200)                        ! Maximum number of events in a queue
;P   0241  0                                             ! for the transmitter
;    0242  0             );
;    0243  0
;    0244  0
;    0245  0     !
;    0246  0     !       Processed event record structure
;    0247  0     !
;    0248  0
;    0249  0     !...$EVTDEF
;    0250  0
;    0251  0     MACRO           EVT$B_FUNCTION  = 0,0,8,0%;             ! Function code (= 1)
;    0252  0     MACRO           EVT$B_FLAGS     = 1,0,8,0%;                     ! Indicates which sinks receive record
;    0253  0     MACRO           EVT$W_CODE      = 2,0,16,0%;                    ! Event code
;    0254  0
;    0255  0     MACRO           EVT$V_TYPE      = 2,0,6,0%;                     ! Event type within class (see EVCDEF)
;    0256  0     LITERAL         EVT$M_TYPE      = 1^6 - 1^0;
;    0257  0     MACRO           EVT$V_CLASS     = 2,6,9,0%;                     ! Event class (see EVCDEF)
;    0258  0     LITERAL         EVT$M_CLASS     = 1^15 - 1^6;
;    0259  0
;    0260  0
;    0261  0     MACRO           EVT$W_JULIAN    = 4,0,16,0%;            ! Time: Julian half-days since 1-Jan-77
;    0262  0     MACRO           EVT$W_SECONDS   = 6,0,16,0%;            !       Second within half-day
;    0263  0     MACRO           EVT$W_MSECS     = 8,0,16,0%;            !               Milliseconds within second
;    0264  0     MACRO           EVT$W_SRCADR    = 10,0,16,0%;           ! Source node address
;    0265  0     MACRO           EVT$B_SRCNAMLEN = 12,0,8,0%;            ! Source node name length
;    0266  0     MACRO           EVT$T_SRCNAM    = 13,0,8,0%;            ! Source node name string (max 6 bytes)
;    0267  0                                             ! Event entity follows, type and ID
;    0268  0                                             ! Event specific data follows
```

```
;  0269  0
;  0270  0
;  0271  0
;  0272  0     !
;  0273  0     !       Data block descriptor
;  0274  0     !
;  0275  0
;  0276  0     !...$DBKDEF
;  0277  0
;  0278  0     MACRO           DBK$L_FL        = 0,0,32,0%;            ! Forward link in queue
;  0279  0     MACRO           DBK$L_BL        = 4,0,32,0%;            ! Backward link in queue
;  0280  0     MACRO           DBK$W_SIZE      = 8,0,16,0%;            ! Size of structure
;  0281  0     LITERAL         DBK$C_SIZE      = 10;
;  0282  0     LITERAL         DBK$K_SIZE      = 10;
;  0283  0
;  0284  0     !
;  0285  0     !       Event Queue block
;  0286  0     !
;  0287  0
;  0288  0     !...$EVQDEF
;  0289  0
;  0290  0     MACRO           EVQ$L_FL        = 0,0,32,0%;            ! Forward link
;  0291  0     MACRO           EVQ$L_BL        = 4,0,32,0%;            ! Backward link
;  0292  0     MACRO           EVQ$W_SIZE      = 8,0,16,0%;            ! Size of structure
;  0293  0     MACRO           EVQ$W_EVTSIZE   = 10,0,16,0%;   ! Bytes in the event
;  0294  0     MACRO           EVQ$T_EVENT     = 12,0,0,0%;    ! Start of event data
;  0295  0     LITERAL         EVQ$C_SIZE      = 12;
;  0296  0     LITERAL         EVQ$K_SIZE      = 12;
```

```
!
!       Structures used in the event transmitter
!


!
!       AST Parameter Control Block
!

!...$ASPDEF
MACRO           ASP$L_FL        = 0,0,32,0%;                    ! Forward link
MACRO           ASP$L_BL        = 4,0,32,0%;                    ! Backward link
MACRO           ASP$W_SIZE      = 8,0,16,0%;                    ! Size of structure
MACRO           ASP$W_NETCHAN   = 10,0,16,0%;           ! Channel to net device
MACRO           ASP$W_IOSB      = 12,0,16,0%;                   ! IO status block
MACRO           ASP$W_IOSB1     = 14,0,16,0%;           ! Remainder of iosb
MACRO           ASP$L_IOSB2     = 16,0,32,0%;
MACRO           ASP$L_ROUTINE   = 20,0,32,0%;           ! address of routine to perform
MACRO           ASP$T_DATA      = 24,0,0,0%;            ! Data area address
LITERAL         ASP$C_SIZE      = 24;
LITERAL         ASP$K_SIZE      = 24;

!
!       Sink control block structure, provides the context for
!       the outgoing logical links from the event transmitter.
!

!...$SNKDEF

MACRO           SNK$L_FL        = 0,0,32,0%;                    ! Forward link
MACRO           SNK$L_BL        = 4,0,32,0%;                    ! Backward link
MACRO           SNK$W_SIZE      = 8,0,16,0%;                    ! Size of structure
MACRO           SNK$W_NETCHAN   = 10,0,16,0%;           ! Channel to net device
MACRO           SNK$W_IOSB      = 12,0,16,0%;                   ! IO status block
MACRO           SNK$W_IOSB1     = 14,0,16,0%;           ! Remainder of iosb
MACRO           SNK$L_IOSB2     = 16,0,32,0%;
MACRO           SNK$L_ROUTINE   = 20,0,32,0%;           ! address of routine to perform
MACRO           SNK$L_SNKADR    = 24,0,32,0%;           ! Address of sink node
MACRO           SNK$L_SRCFL     = 28,0,32,0%;           ! Head of source list
MACRO           SNK$L_SRCBL     = 32,0,32,0%;
MACRO           SNK$L_EVTFL     = 36,0,32,0%;           ! Head of event queue
MACRO           SNK$L_EVTBL     = 40,0,32,0%;
MACRO           SNK$W_EVTCNT    = 44,0,16,0%;           ! Number of events on the queue
MACRO           SNK$B_STATUS    = 46,0,8,0%;            ! Status of logical link to node

MACRO           SNK$V_STS_OPN   = 46,0,1,0%;            ! Link is open
LITERAL         SNK$M_STS_OPN   = 1^1 - 1^0;
MACRO           SNK$V_STS_BSY   = 46,1,1,0%;            ! Some action in progress
LITERAL         SNK$M_STS_BSY   = 1^2 - 1^1;
MACRO           SNK$V_STS_BKD   = 46,2,1,0%;            ! Back door in use
LITERAL         SNK$M_STS_BKD   = 1^3 - 1^2;
MACRO           SNK$V_STS_DEL   = 46,3,1,0%;            ! Delete on close
LITERAL         SNK$M_STS_DEL   = 1^4 - 1^3;
MACRO           SNK$V_STS_CLS   = 46,4,1,0%;            ! Close and delete
LITERAL         SNK$M_STS_CLS   = 1^5 - 1^4;
MACRO           SNK$V_STS_TMR   = 46,5,1,0%;            ! Close on non-use timer outstanding
```

```
;  0   LITERAL   SNK$M_STS_TMR   = 1^6 - 1^5;
;  0
;  0   MACRO     SNK$B_SNKLOS    = 47,0,8,0%;          ! Sink mask for lost events
;  0   MACRO     SNK$L_SNKLEN    = 48,0,32,0%;         ! Descriptor of ncb
;  0   MACRO     SNK$A_SNKNCB    = 52,0,32,0%;
;  0   MACRO     SNK$T_SNKNCB    = 56,0,0,0%;          ! NCB of link
;  0   LITERAL   SNK$S_SNKNCB    = 64;
;  0   LITERAL   SNK$C_SIZE      = 120;
;  0   LITERAL   SNK$K_SIZE      = 120;
```

```
;  0363  0
;  0364  0
;  0365  0
;  0366  0     !
;  0367  0     !       Source descriptor block
;  0368  0     !
;  0369  0
;  0370  0     !...$SRCDEF
;  0371  0     MACRO           SRC$L_FL        = 0,0,32,0%;            ! Forward link
;  0372  0     MACRO           SRC$L_BL        = 4,0,32,0%;            ! Backward link
;  0373  0     MACRO           SRC$W_SIZE      = 8,0,16,0%;            ! Size of structure
;  0374  0     MACRO           SRC$B_SNKTYPE   = 10,0,8,0%;        ! Sink type
;  0375  0     MACRO           SRC$B_SRCTYP    = 11,0,8,0%;        ! Source type code
;  0376  0     MACRO           SRC$T_SRCID     = 12,0,0,0%;        ! Source name
;  0377  0     LITERAL         SRC$S_SRCID     = 18;
;  0378  0     MACRO           SRC$W_FILTERS   = 30,0,16,0%;       ! Number of filters
;  0379  0     MACRO           SRC$T_FILTERS   = 32,0,0,0%;        ! Start of filters
;  0380  0     LITERAL         SRC$C_SIZE      = 32;
;  0381  0     LITERAL         SRC$K_SIZE      = 32;
;  0382  0
;  0383  0     !
;  0384  0     !       Filter descriptor
;  0385  0     !
;  0386  0
;  0387  0     !...$FLTDEF
;  0388  0     MACRO           FLT$W_CLASS     = 0,0,16,0%;        ! Class of event
;  0389  0
;  0390  0     MACRO           FLT$V_CLASS     = 0,0,9,0%;         ! Class code
;  0391  0     LITERAL         FLT$M_CLASS     = 1^9 - 1^0;
;  0392  0
;  0393  0     MACRO           FLT$V_WLDCOD    = 0,14,2,0%;        ! Wild card code
;  0394  0     LITERAL         FLT$M_WLDCOD    = 1^16 - 1^14;
;  0395  0
;  0396  0     MACRO           FLT$Q_TYPESLOG  = 4,0,0,0%;         ! Type mask to log
;  0397  0     LITERAL         FLT$S_TYPESLOG  = 8;
;  0398  0     MACRO           FLT$Q_TYPESFIL  = 12,0,0,0%;        ! Type mask to filter
;  0399  0     LITERAL         FLT$S_TYPESFIL  = 8;
;  0400  0     LITERAL         FLT$C_SIZE      = 20;
;  0401  0     LITERAL         FLT$K_SIZE      = 20;
```

```
;    0402  0
;    0403  0
;    0404  0
;    0405  0       !
;    0406  0       !       Define structures used by the receiver
;    0407  0       !
;    0408  0
;    0409  0       !
;    0410  0       !       Define sink type descriptor block
;    0411  0       !
;    0412  0
;    0413  0       !...$SINKDEF
;    0414  0
;    0415  0       MACRO           SINK$L_LINK     = 0,0,32,0%;            ! Queue links
;    0416  0       MACRO           SINK$L_BLINK    = 4,0,32,0%;
;    0417  0       MACRO           SINK$B_TYPE     = 8,0,8,0%;             ! Type of sink
;    0418  0       LITERAL
;  P 0419  0       $EQULST (SINK$C_,GBL,0,1
;  P 0420  0               ,(ACTIVE,254)           ! Active sink types
;  P 0421  0               ,(KNOWN,255)            ! Known sink types
;  P 0422  0               ,(CONSOLE,1)            ! Console sink
;  P 0423  0               ,(FILE,2)                       ! File sink
;  P 0424  0               ,(MONITOR,3)            ! Monitor process sink
;    0425  0               );
;    0426  0       MACRO           SINK$B_STATE    = 9,0,8,0%;
;    0427  0       LITERAL
;  P 0428  0       $EQULST (SINK$C_,GBL,0,1
;  P 0429  0               ,(ON,)                  ! Sink is on
;  P 0430  0               ,(OFF,)                         ! Sink is off, ignore all events
;  P 0431  0               ,(HOLD,)                        ! Sink is holding all events until turned on
;    0432  0               );
;    0433  0       MACRO           SINK$W_EVENTS   = 10,0,16,0%;   ! Number of events on queue
;    0434  0       MACRO           SINK$L_EVTFL    = 12,0,32,0%;           ! Queue head of event data blocks
;    0435  0       MACRO           SINK$L_EVTBL    = 16,0,32,0%;
;    0436  0       MACRO           SINK$B_FLAGS    = 20,0,8,0%;            ! Flags
;    0437  0
;    0438  0       MACRO           SINK$V_DELETE   = 20,0,1,0%;            ! Indicates sink should be deleted when the
;    0439  0       LITERAL         SINK$M_DELETE   = 1^1 - 1^0;
;    0440  0                       ! events queued for this sink are output
;    0441  0       MACRO           SINK$V_ERROR    = 20,1,1,0%;            ! "error" state! all events are ignored to
;    0442  0       LITERAL         SINK$M_ERROR    = 1^2 - 1^1;
;    0443  0                       ! this sink until a data base change
;    0444  0
;    0445  0       MACRO           SINK$W_MAXBUFSIZ        = 22,0,16,0%;   ! Maximum size of buffer (OPCOM monitor only)
;    0446  0       MACRO           SINK$W_BUFLEN   = 24,0,16,0%;   ! Bytes currently in buffer (OPCOM monitor only)
;    0447  0       MACRO           SINK$L_BUFFER   = 26,0,32,0%;           ! Address of buffer (OPCOM monitor only)
;    0448  0       MACRO           SINK$L_RAB      = 30,0,32,0%;           ! Address of RAB/FAB storage block (file only)
;    0449  0       MACRO           SINK$W_CHANNEL  = 30,0,16,0%;   ! Channel for I/O (monitor only)
;    0450  0       MACRO           SINK$L_CLOSERTN = 34,0,32,0%;   ! Address of routine to perform close
;    0451  0                       !       nonzero if sink has been initialized
;    0452  0       MACRO           SINK$W_IOSB     = 38,0,16,0%;           ! I/O status block specific to this sink
;    0453  0       MACRO           SINK$W_IOSB1    = 40,0,16,0%;
;    0454  0       MACRO           SINK$L_IOSB2    = 42,0,32,0%;
;    0455  0       MACRO           SINK$B_NAMELEN  = 46,0,8,0%;    ! Length of sink name string
;    0456  0       MACRO           SINK$T_NAME     = 47,0,0,0%;    ! Sink name string
;    0457  0       LITERAL         SINK$S_NAME     = 255;
;    0458  0       LITERAL         SINK$C_LENGTH   = 302;
```

```
;  0459  0       LITERAL         SINK$K_LENGTH   = 302;                  ! Length of sink descriptor block
;  0460  0
;  0461  0       !
;  0462  0       !       Define incoming event channel context block
;  0463  0       !
;  0464  0
;  0465  0       !...$IECDEF
;  0466  0
;  0467  0       MACRO           IEC$L_LINK      = 0,0,32,0%;            ! Forward link
;  0468  0       MACRO           IEC$L_BLINK     = 4,0,32,0%;            ! Backward link
;  0469  0       MACRO           IEC$W_SIZE      = 8,0,16,0%;            ! Size of entire structure
;  0470  0       MACRO           IEC$W_CHAN      = 10,0,16,0%;           ! Network incoming channel number
;  0471  0       MACRO           IEC$W_IOSB      = 12,0,16,0%;           ! I/O status block
;  0472  0       MACRO           IEC$W_IOSB1     = 14,0,16,0%;
;  0473  0       MACRO           IEC$L_IOSB2     = 16,0,32,0%;
;  0474  0       MACRO           IEC$B_NCBLEN    = 20,0,8,0%;    ! Length of NCB
;  0475  0       MACRO           IEC$T_NCB       = 21,0,0,0%;    ! NCB for incoming link
;  0476  0       LITERAL         IEC$S_NCB       = 64;
;  0477  0       LITERAL         IEC$C_MAXNCBLEN = 64;
;  0478  0       MACRO           IEC$T_EVENT     = 85,0,0,0%;    ! Buffer for event record
;  0479  0       LITERAL         IEC$S_EVENT     = 250;
;  0480  0       LITERAL         IEC$C_MAXEVTLEN = 250;
;  0481  0       LITERAL         IEC$C_LENGTH    = 335;
;  0482  0       LITERAL         IEC$K_LENGTH    = 335;                  ! Fixed length of structure
```

```
;    0483  0
;    0484  0
;    0485  0
;    0486  0     !
;    0487  0     !       Define the bits for controlling messages to the batch log
;    0488  0     !       of the event processor.
;    0489  0     !
;    0490  0
;    0491  0     !...$ELGDEF
;    0492  0
;    0493  0
;    0494  0
;    0495  0     MACRO           ELG$V_DBUPDAT   = 0,0,1,0%;           ! Data base updates for transmit or receive
;    0496  0     LITERAL         ELG$M_DBUPDAT   = 1^1 - 1^0;
;    0497  0     MACRO           ELG$V_SNKOPN    = 0,1,1,0%;           ! Link to sink node opened
;    0498  0     LITERAL         ELG$M_SNKOPN    = 1^2 - 1^1;
;    0499  0     MACRO           ELG$V_RCVCCF    = 0,2,1,0%;           ! Link confirmed by receiver
;    0500  0     LITERAL         ELG$M_RCVCCF    = 1^3 - 1^2;
;    0501  0     MACRO           ELG$V_MONOPN    = 0,3,1,0%;           ! Link opened to event monitor
;    0502  0     LITERAL         ELG$M_MONOPN    = 1^4 - 1^3;
;    0503  0     MACRO           ELG$V_RAWEVT    = 0,4,1,0%;           ! Text of raw event
;    0504  0     LITERAL         ELG$M_RAWEVT    = 1^5 - 1^4;
;    0505  0     MACRO           ELG$V_QUEEVT    = 0,5,1,0%;           ! Text of event queued to sink
;    0506  0     LITERAL         ELG$M_QUEEVT    = 1^6 - 1^5;
;    0507  0     MACRO           ELG$V_RCVEVT    = 0,6,1,0%;           ! Text of event received by receiver
;    0508  0     LITERAL         ELG$M_RCVEVT    = 1^7 - 1^6;
;    0509  0
;    0510  0
;    0511  0
;    0512  0
;    0513  0
;    0514  0     !
;    0515  0     !       Counter descriptor list entry
;    0516  0     !
;    0517  0
;    0518  0     !...$CTBDEF
;    0519  0
;    0520  0     MACRO           CTB$W_PCODE     = 0,0,16,0%;          ! Parameter code for counter
;    0521  0     MACRO           CTB$W_OFFSET    = 2,0,16,0%;          ! Offset in counter block
;    0522  0     MACRO           CTB$B_WIDTH     = 4,0,8,0%;           ! Width of counter in bits
;    0523  0     MACRO           CTB$B_ADDQ      = 5,0,8,0%;                   ! True for accumulate counter
;    0524  0     MACRO           CTB$W_BITMAP    = 6,0,16,0%;          ! Bitmap mask for this counter
;    0525  0
;    0526  0     LITERAL         CTB$C_SIZE      = 8;
;    0527  0     LITERAL         CTB$K_SIZE      = 8;                          ! Total size of structure
;    0528  0
;    0529  0
;    0530  0     !
;    0531  0     !       Line id conversion table entry
;    0532  0     !
;    0533  0
;    0534  0     !...$VDLDEF                     ! VMS to DNA Line table
;    0535  0
;    0536  0     MACRO           VDL$A_VMS       = 0,0,32,0%;                  ! Address of vms name counted string
;    0537  0     MACRO           VDL$A_DNA       = 4,0,32,0%;                  ! Address of dna name counted string
;    0538  0     MACRO           VDL$B_TYP       = 8,0,8,0%;                   ! Type mask for
;    0539  0
```

```
;    0540  0      MACRO           VDL$V_PNT       = 8,0,1,0%;                     ! point to point lines
;    0541  0      LITERAL         VDL$M_PNT       = 1^1 - 1^0;
;    0542  0      MACRO           VDL$V_MUX       = 8,1,1,0%;                     ! multiplexed lines
;    0543  0      LITERAL         VDL$M_MUX       = 1^2 - 1^1;
;    0544  0      MACRO           VDL$V_MPT       = 8,2,1,0%;                     ! multipoint lines
;    0545  0      LITERAL         VDL$M_MPT       = 1^3 - 1^2;
;    0546  0
;    0547  0      MACRO           VDL$B_COEF      = 9,0,8,0%;                     ! Unit/tributary coefficient
;    0548  0                                      ! Unit = vms unit / coef
;    0549  0                                      ! trib = vms unit mod coef
;    0550  0      LITERAL         VDL$C_SIZE      = 10;
;    0551  0      LITERAL         VDL$K_SIZE      = 10;                           ! size of structure
;    0552  0
;    0553  0
;    0554  0      !
;    0555  0      !       IOSB fields
;    0556  0      !
;    0557  0
;    0558  0      !...$IOSBDEF
;    0559  0
;    0560  0      MACRO           IOSB$W_STS      = 0,0,16,0%;                    ! Primary status
;    0561  0      MACRO           IOSB$W_CNT      = 2,0,16,0%;                    ! Normally size of transfer
;    0562  0      MACRO           IOSB$W_STS2     = 4,0,16,0%;                    ! Secondary status
;    0563  0      MACRO           IOSB$W_STS3     = 6,0,16,0%;                    ! Tertiary status
;    0564  0      LITERAL         IOSB$C_SIZE     = 8;
;    0565  0      LITERAL         IOSB$K_SIZE     = 8;
;    0566  0
;    0567  0
;    0568  0      !
;    0569  0      !       End of EVLDEF.MDL
;    0570  0      !
```

```
;    0571  0     !
;    0572  0     ! Version:      'V04-000'
;    0573  0     !
;    0574  0     !****************************************************************************
;    0575  0     !*                                                                          *
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;    0593  0     !*                                                                          *
;    0594  0     !*                                                                          *
;    0595  0     !****************************************************************************
;    0596  0     !
;    0597  0     !++
;    0598  0     !       NMATAIL.B32
;    0599  0     !
;    0600  0     !       Source to undeclare the macros required for the precompile of
;    0601  0     !       NMALIBRY.B32 so they do not appear in the library.
;    0602  0     !--
;    0603  0     !
;    0604  0     !
;    0605  0     UNDECLARE %QUOTE $EQULST,
;    0606  0             %QUOTE GET1ST_,
;    0607  0             %QUOTE GET2ND_,
;    0608  0             %QUOTE NUL2ND_
;    0609  0             ;
;    0610  0     !
;    0611  0     !
;    0612  0     !       End of NMATAIL.B32
;    0613  0     !


;                                       COMMAND QUALIFIERS

;       BLISS/LIBRARY=LIB$:EVLIBRARY/LIST=LIS$:EVLIBRARY SRC$:EVLIBRARY+SRC$:LIBHEAD+LIB$:EVLDEF+SRC$:LIBTAIL

; Run Time:          00:05.8
; Elapsed Time:      00:10.2
; Lines/CPU Min:      6308
```

```
; Lexemes/CPU-Min: 32531
; Memory Used:  46 pages
; Library Precompilation Complete
```

EVLJULIAN
LIS

EVCDEF
LIS

ERRMSG
LIS

EVLIBRARY
LIS

EVLTRANS
LIS

EVLSHOW
LIS

EVLMAIN
LIS

RECEIVER
LIS